

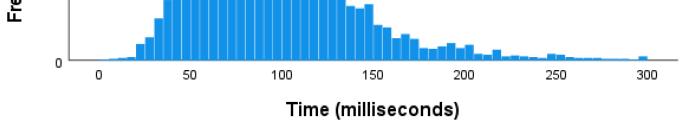
- detects a high likelihood of user failure in a task.
- Results show users are 6% more successful in completing tasks with AdaptLIL compared to a nonadaptive visualization when given the same question set (p < 0.05).</li>
- AdaptLIL introduces a novel architecture for building adaptive visualizations, extending beyond just ontology mappings.



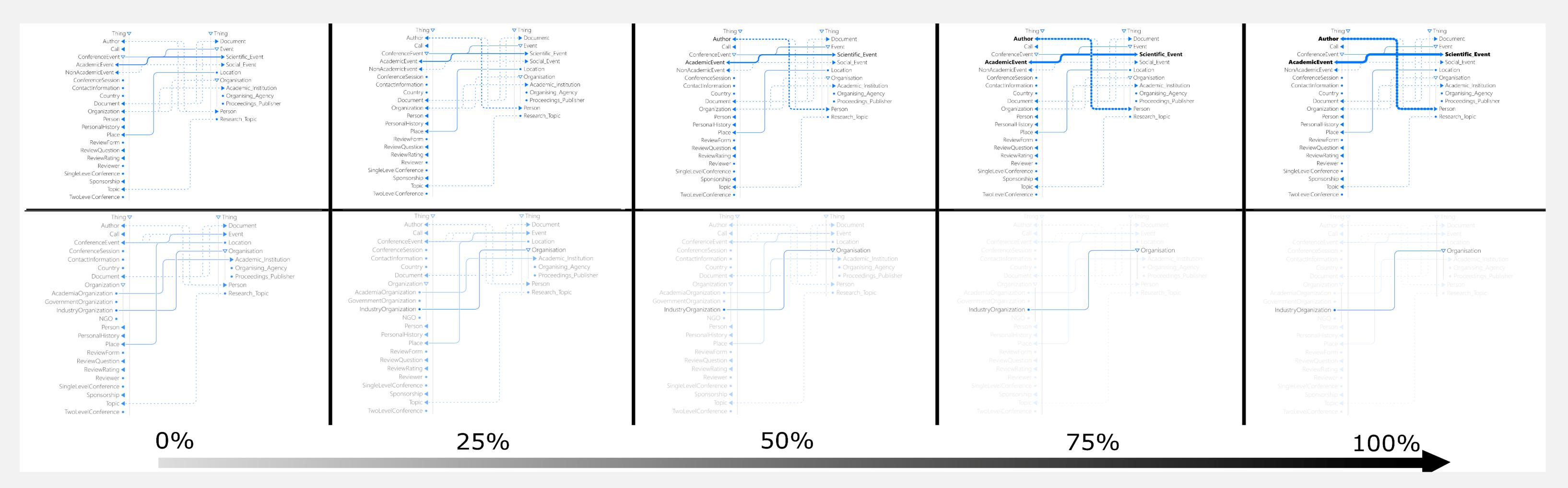


## **Visualization Frontend**

transmits JSON data to enable the receiver to dynamically adjust the visualization.



Time-to-adaptation - 180ms Time for one prediction - 36ms



## All Adaptation States of the Visualization

## **Future Research Directions**

- Increasing accessibility of AdaptLIL by using Webcam in place of a dedicated eye tracker
- Different adaptation types such as color schemes and backgrounds
- Identifying the best adaptation type to use depending on given ontology mapping task

## Acknowledgements

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